Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/12/2016 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124509	-1	2.61	124506	2.59
Blue	F	SSC	125000	123391	-2	4.35	124044	4.22
Blue	E	FITC	22946	22467	-3	2.87	998	9.55
Blue	D	PE	28770	28256	-2	2.57	1014	8.82
Blue	B	PerCP-Cy5-5	51099	51035	-1	3.70	1462	15.29
Blue	A	PE-Cy7	42312	42140	-1	5.07	654	31.49
Red	C	APC	52169	51602	-2	2.86	2975	9.13
Red	A	APC-Cy7	56705	56167	-1	2.89	1161	10.53
Violet	B	V450	14708	14270	-3	3.87	687	8.68
Violet	A	V500	58608	57475	-2	3.64	2556	6.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19688	4.44	590	-8	N/A	N/A	Pass
Blue	F	SSC	61563	2.87	520	2	N/A	N/A	Pass
Blue	E	FITC	114	35.79	528	-3	0.0251	151	Pass
Blue	D	PE	221	26.32	523	-3	0.2145	265	Pass
Blue	B	PerCP-Cy5-5	230	40.43	618	-4	0.0129	114	Pass
Blue	A	PE-Cy7	74	101.44	665	-6	0.0152	12	Pass
Red	C	APC	347	26.91	586	-4	0.0224	98	Pass
Red	A	APC-Cy7	128	38.39	570	-6	0.0068	1976	Pass
Violet	B	V450	82	39.63	464	5	0.0477	1638	Pass
Violet	A	V500	185	22.30	493	5	0.0144	332	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.45	-31.17	0.82
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	18.79	13.27 - 19.91	N/A	N/A	31.68	31.94	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9520

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments